

Fig. 1a

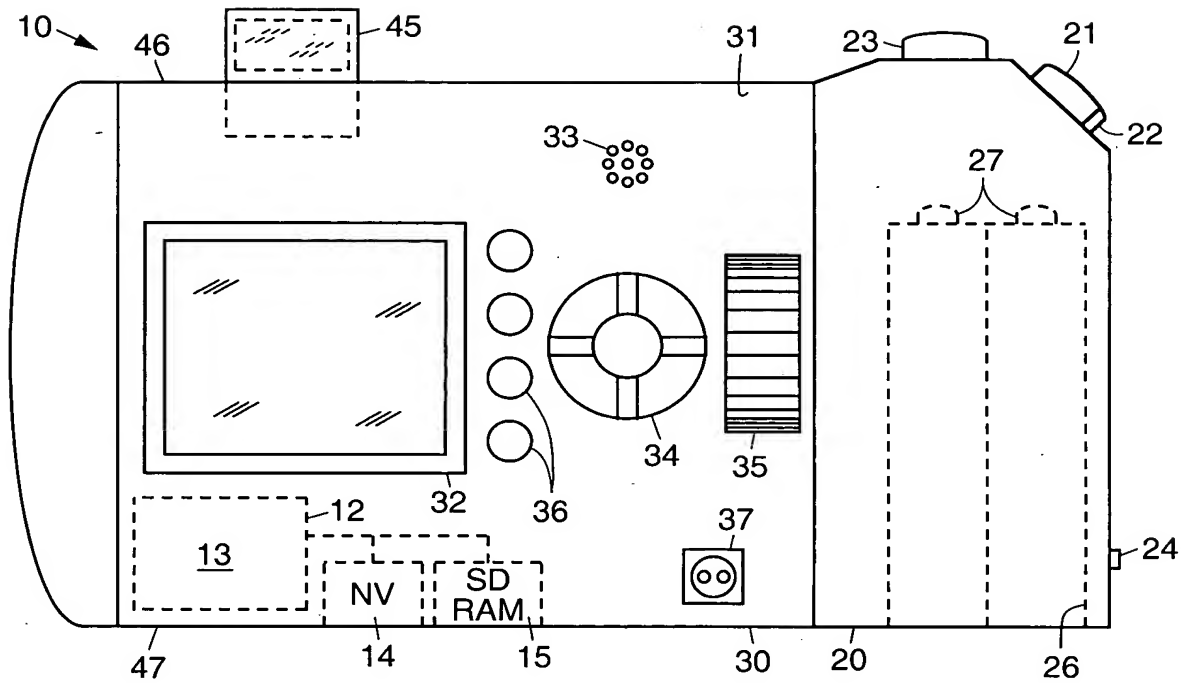


Fig. 1b

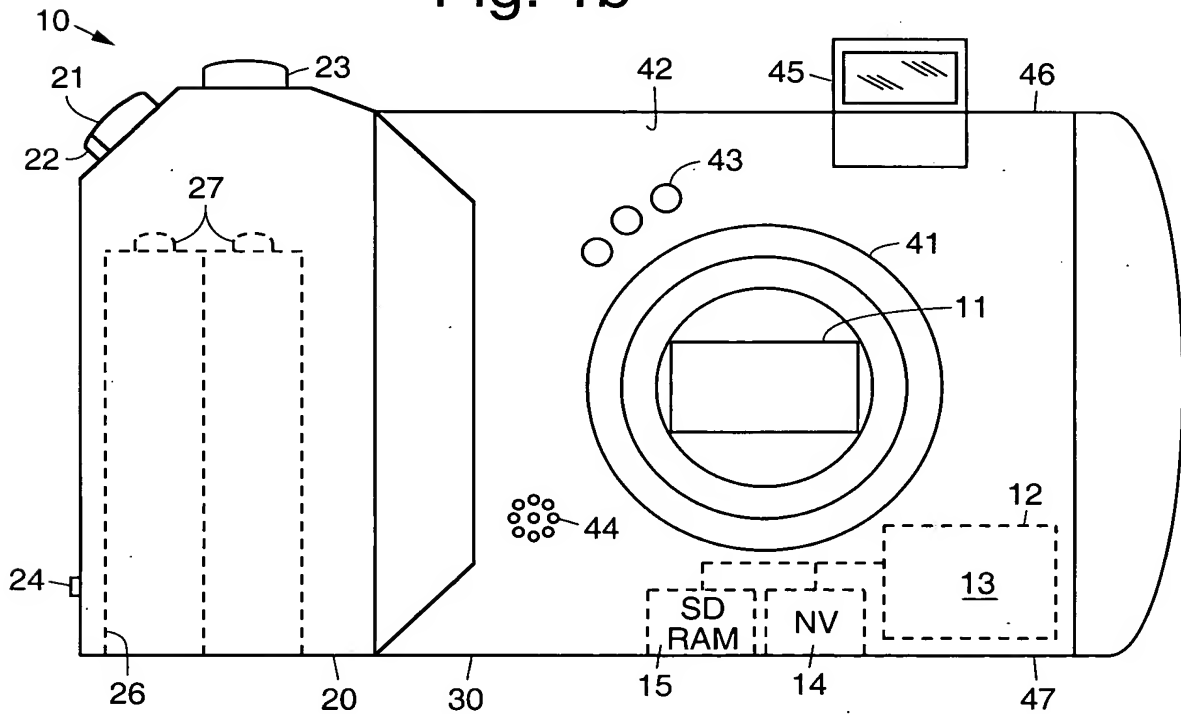


Fig. 2

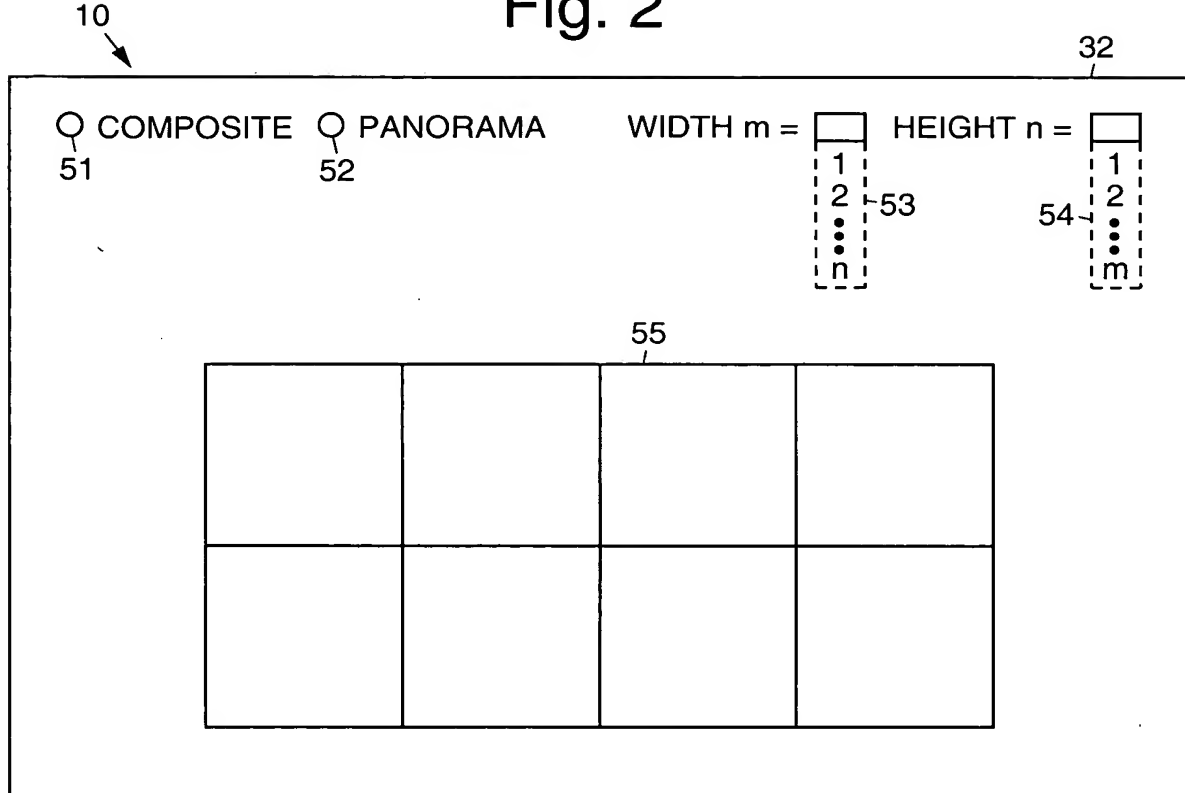
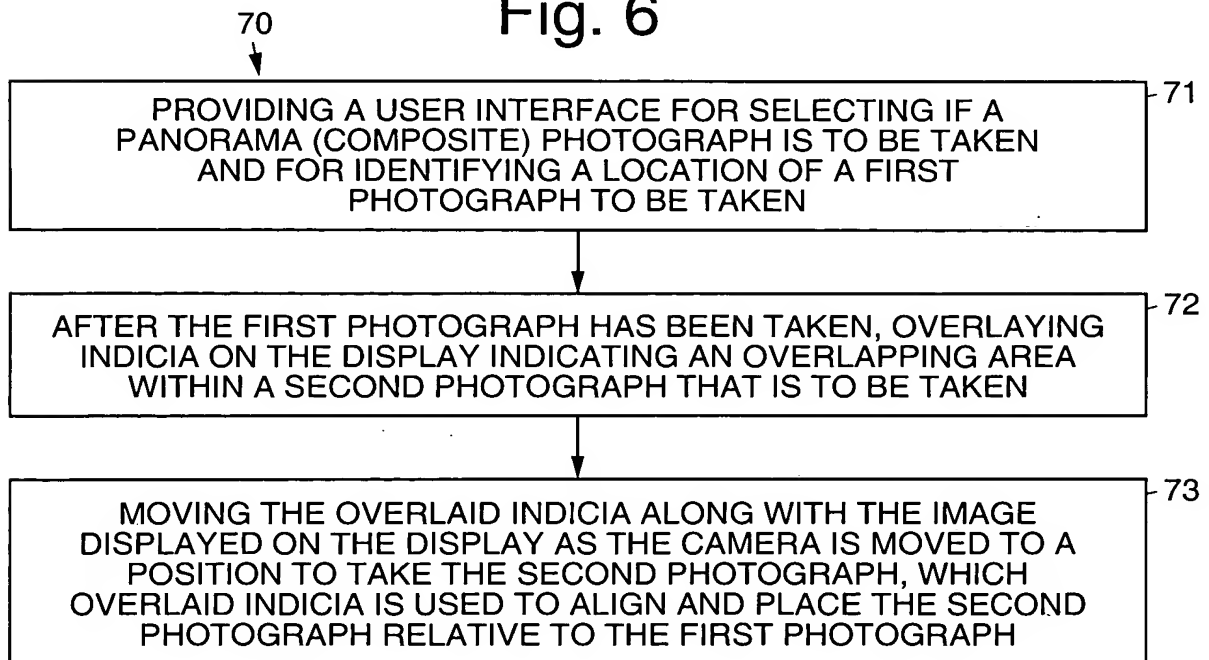


Fig. 6



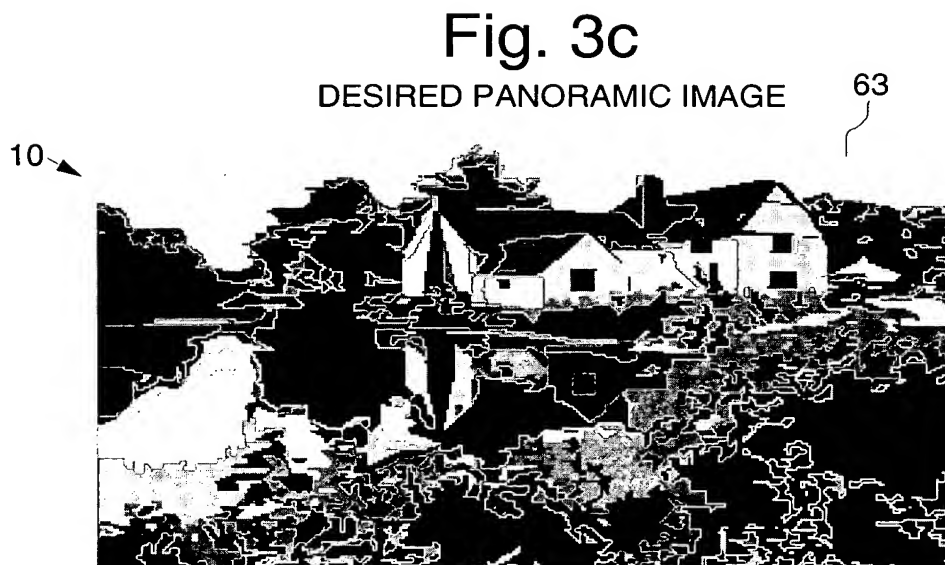
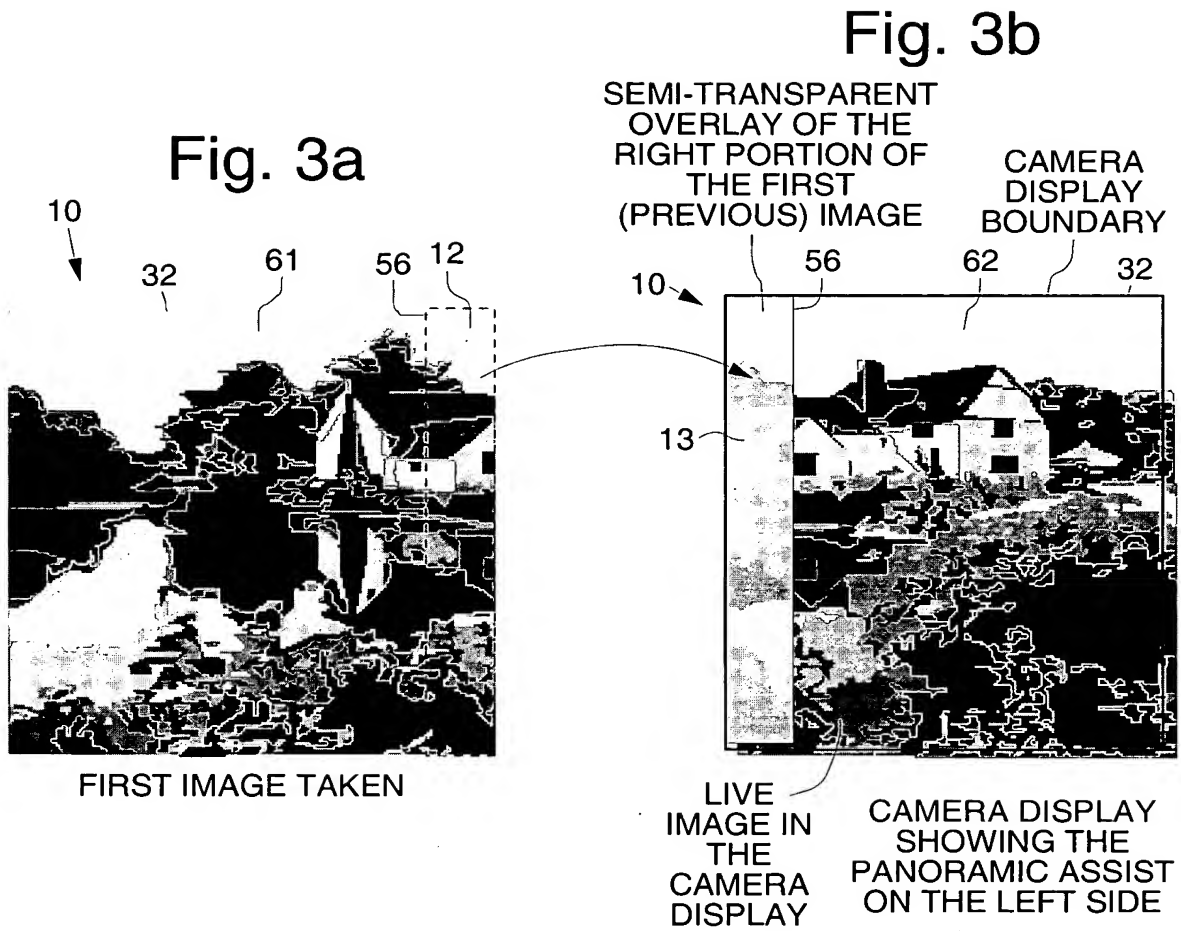
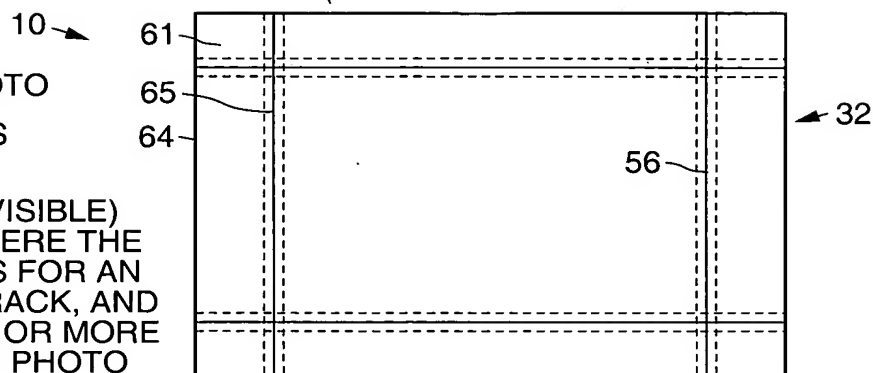


Fig. 4a

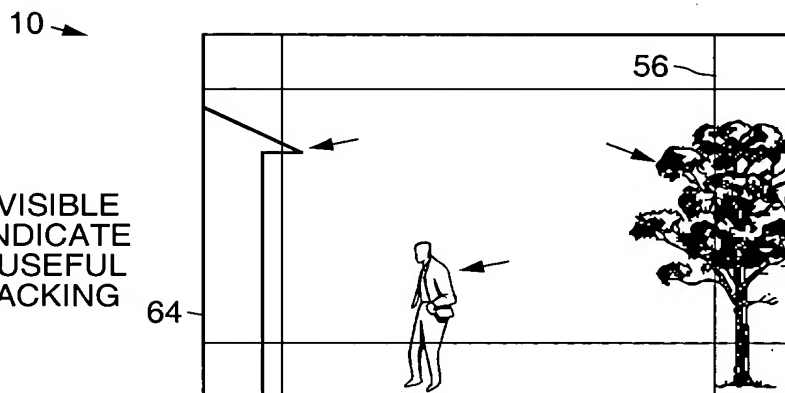
A USER TAKES A PHOTO

SOLID GUIDE LINES
ARE DISPLAYED

DOTTED LINES (NOT VISIBLE)
INDICATE REGIONS WHERE THE
ALGORITHM SEARCHES FOR AN
EDGE OR OBJECT TO TRACK, AND
TRIES TO IDENTIFY ONE OR MORE
ON EACH SIDE OF THE PHOTO

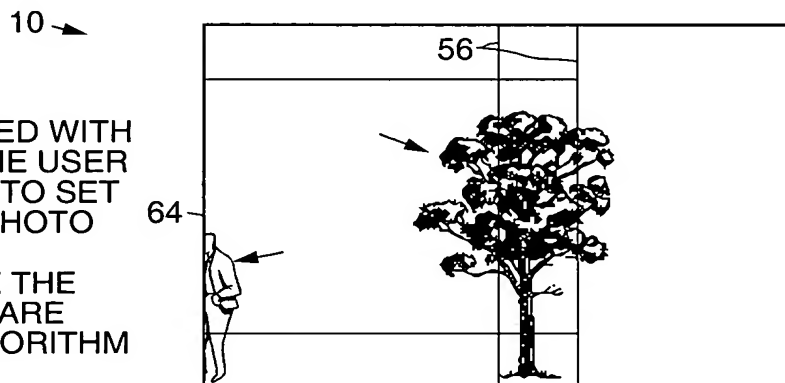
**Fig. 4b**

ARROWS (NOT VISIBLE
TO THE USER) INDICATE
POTENTIALLY USEFUL
EDGES FOR TRACKING

**Fig. 4c**

GUIDELINES ARE MOVED WITH
THE LIVE IMAGE AS THE USER
MOVES THE CAMERA TO SET
UP FOR THE NEXT PHOTO

ARROWS INDICATE THE
LOCATIONS THAT ARE
TRACKED BY THE ALGORITHM

**Fig. 4d**

THE USER PLACES THE
OVERLAPPING REGION
CORRECTLY AT THE EDGE
BY PUTTING THE LINES
ALONG THE CORRECT SIDE

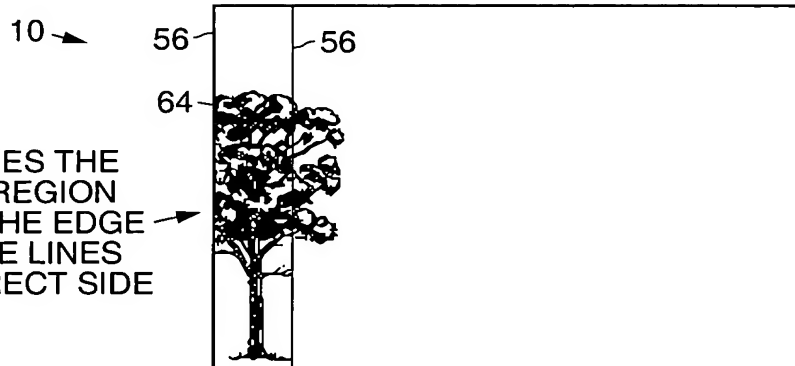


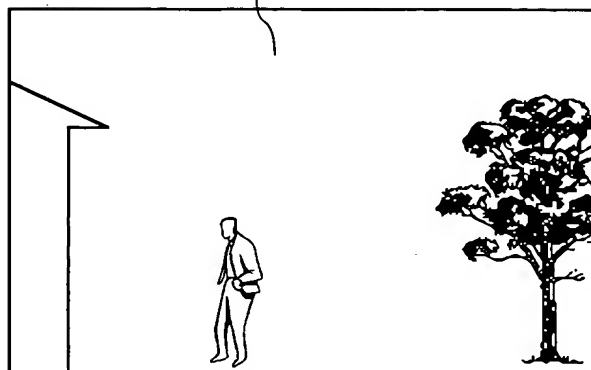
Fig. 5a

10 →

A USER TAKES A PHOTO
 THE USER PRESSES
 "PANORAMA/COMPOSITE"
 THE IMAGE CHANGES TO
 TRANSPARENT OVERLAY
 WITH THE LIVE IMAGE ALSO
 DISPLAYED BENEATH IT

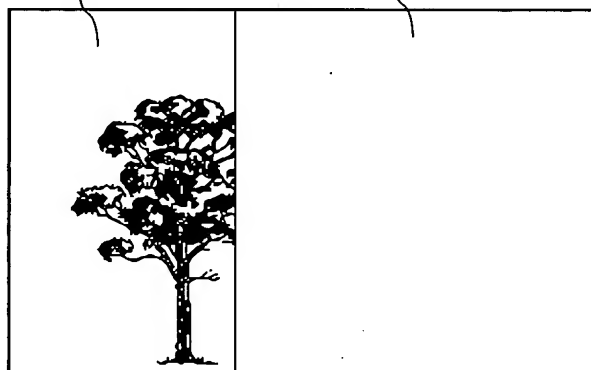
THE USER PRESSES "←"

INITIAL PHOTO

**Fig. 5b**

10 →

TRANSPARENT IMAGE
 "SLIDES" OVER THE THE
 USER-INDICATED SIDE

TRANSPARENT
OVERLAYLIVE DISPLAY
UNDERNEATH**Fig. 5c**

10 →

THE USER MOVES THE CAMERA
 TO ALIGN THE LIVE IMAGE WITH
 THE CORRECTLY-POSITIONED
 TRANSPARENT OVERLAY FOR
 OPTIMAL RESULTS

THE CAMERA CAN ALSO STORE
 INFORMATION RELATED TO THE
 SEQUENCE OF THE PHOTOS
 AND THEIR POSITIONS
 RELATIVE TO ONE ANOTHER

OVERLAY
FINAL
POSITION

SUBSEQUENT PHOTO

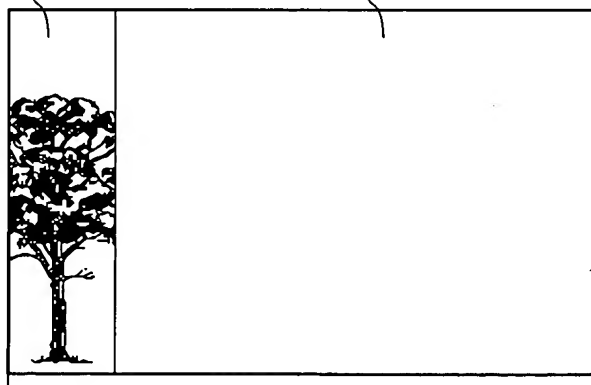


Fig. 7

